

## ABSTRACT

In the conventional arc welding control unit, since the air of the outside of the equipment is applied directly to the whole of the main semiconductor for cooling, there is found a problem that dust, welding fumes and the like can accumulate on or adhere to the conductive portions of the inside of the equipment, which takes time for maintenance of the equipment. To solve this, according to the invention, there is provided an arc welding control unit having a heat radiating unit built in the box body thereof for discharging the air heated by a heat generating first electrical element to the outside. The heat radiating unit has a tunnel-type shape including an outer peripheral portion for defining a cavity portion allowing the air to flow therethrough, whereby dust, welding fumes and the like can be prevented from accumulating on or adhering to the conductive portions of the inside of the equipment.